Approved for use through 01/31/2004. OMB 0651-0033

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

REISSUE PATENT APPLICATION TRANSMITTAL								
			Attorney Docket No.		AMAT/2601 R 02/CMP/ECP/RKK			
Address to:			First Named Inventor		Uziel Landau			
Mail Stop Reissue		Origin	Original Patent Number		6,261,4			
Commissioner for Patents P.O. Box 1450			Original Patent Issue Date		07/17/2			
	a, VA 22313-1450		(Month/Day/Year) Express Mail Label No.		.	233581US		
APPLICATION	FOR REISSUE OF:	,				1		
	ck applicable box) Utility		Design Patent Plant Patent ACCOMPANYING APPLICATION PARTS					
	LEMENTS (37 CFR 1.173)					1		
	Fee Transmittal Form (PTO/SB/56) (Submit an original, and a duplicate for fee processing)			Statement of status and support for all changes to the claims. See 37 CFR 1.173(c).				
2. Applicant	claims small entity status. See 37 CFR 1	.27.		11. Original Patent Grant				
	3. Specification and Claims in double column copy of patent format (amended, if appropriate)			Ribboned Original Patent Grant				
4. Drawing(Drawing(s) (proposed amendments, if appropriate)			Statement of Loss (PTO/SB/55)				
	Reissue Oath/Declaration (original or copy) (37 C.F.R. 1.175) (PTO/SB/51 or 52)			12. L Foreign Priority Claim (35 U.S.C. 119) (if applicable)				
6. Power of	Attorney			13. Informa	ition Disclosur ent (IDS)/PTO	e Copies of IDS -1449 Citations		
7. Original U.S. Patent currently assigned? Yes No (If Yes, check applicable box(es))			English Translation of Reissue Oath/Declaration (if applicable)					
Written Consent of all Assignees (PTO/SB/53)				15. Preliminary Amendment				
37 C.F.R. 3.73(b) Statement (PTO/SB/96)				16. Return Receipt Postcard (MPEP 503) (Should be specifically itemized)				
8. CD-ROM or large ta	or CD-R in duplicate, Computer Program able	(Appendix)				·		
Nucleotide and/or Amino Acid Sequence Submission (if applicable, all of the following are necessary)								
a. Comput	er Readable Form (CFR)							
i □ (Sequence Listing on: CD-ROM (2 copies) or CD-R (2 copies); o	r						
	paper							
c. Statements verifying identity of above copies 18. CORRESPONDENCE ADDRESS								
	, 10. CORN	ESPONDE						
Customer				OR 🗹	Corresponde	ence address below		
Name Applied Materials, Inc.								
	Po Box 450A							
0.4	anta Clara State			e CA	Zip Code	95052		
~ .					Fax	(713) 623-4846		
Name (Print/Type) B. Todd Patterson Registration No. (Attorney/Agent) 37,906								
Signature B. Jobel Patterson Date 7/17/03						_ 37,906 77/03		

This collection of information is required by 37 CFR 1.173. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Mail Stop Reissue, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.



Approved for use through 01/31/2004. OMB 0651-0033 U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number. Docket Number (Optional) REISSUE APPLICATION FEE TRANSMITTAL FORM AMAT/2601 R 02/CMP/ECP/RKK Claims as Filed - Part 1 Other than a Small Entity Number Filed in Small Entity (3)Claims in Reissue Number Extra Patent Application Total Claims x \$ 18.00_ \$162.00 **** 9 (A) 29 (37 CFR 1.16(j)) x \$ _ (B) 29 Independent claims (37 CFR 1.16(i)) x \$ 84.00₌ \$1,512.00 18 (C) 21 (D) 21 Basic Fee (37 CFR 1.16(h)) \$ 750.00 Total Filing Fee OR \$ 2,424.00 Claims as Amended - Part 2 (1) Other than a Small Entity Small Entity Claims Remaining Highest Number Extra Rate Fee Rate After Amendment Previously Claims Paid For Present **Total Claims** * = 60 \$1,080.00 **MINUS** x \$ 18.00 =89 29 (37 CFR 1.16(j)) X \$ Independent Claims (37 CFR ***** 21 **MINUS** \$756.00 9 30 x \$ 84.00 _ x \$ 1.16(i)) **Total Additional Fee** \$1,836.00 * If the entry in (D) is less than the entry in (C), Write "0" in column 3. ** If the "Highest Number of Total Claims Previously Paid For" is less than 20, Write "20" in this space. *** After any cancellation of claims. **** If "A" is greater than 20, use (B - A); if "A" is 20 or less, use (B - 20). ***** "Highest Number of Independent Claims Previously Paid For" or Number of Independent Claims in Patent (C). Applicant claims small entity status. See 37 CFR 1.27. Please charge Deposit Account No. 20-0782/2601 R 02/CMP/ECP/RKK in the amount of \$4,260.00 A duplicate copy of this sheet is enclosed. The Director is hereby authorized to charge any additional fees under 37 CFR 1.16 or 1.17 which may be required, or credit any overpayment to Deposit Account No. 20-0782/2601 R 02/CMP/ECP/RKK A duplicate copy of this sheet is enclosed. A check in the amount of \$ to cover the filing/additional fee is enclosed. Payment by credit card. Form PTO-2038 is attached. WARNING: Information on this form may become public. Credit card information should not be included on this form. Provide credit cad information and authorization on PTO-2038. Signature of Applicant, Attorney or Agent of Record 37,906

This collection of information is required by 37 CFR 1.16. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450

B. Todd Patterson

Typed or printed name

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.

Registration Number, if applicable

CERTIFICATE UNDER 37 CFR 1.10

I hereby certify that the following documents:

- 1) Reissue Patent Application Transmittal;
- 2) Reissue Application Fee Transmittal Form;
- 3) Copy of US Patent No. 6,261,433 in two column format;
- 4) Ribboned Original Patent Grant for US Patent No. 6,261,433;
- 5) Certificate of Correction for US Patent No. 6,261,433;
- 6) Consent of Assignee;
- 7) Statement Under 37 CFR 3.73(b);
- 8) 7 Sheets of Formal Drawings;
- 9) Preliminary Amendment;
- 10) Statement Under 37 CFR 1.173(c);
- 11) Information Disclosure Statement with US PTO Form 1449 and 33 references; and
- 12) Unsigned Reissue Application Declaration by the Inventor

are being deposited on <u>July 17, 2003</u> with the United States Postal Service in a package as "Express Mail Post Office to Addressee," mailing label No. <u>EV331233581US</u> addressed to: MAIL STOP REISSUE, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

07/17/63 Molto
Date Signature

U.S. PATENT DOCUMENTS

3,770,598	11/1973	Creutz 204/52 R
4,027,686	6/1977	Shortes et al 134/33
4,092,176	5/1978	Kozai et al 134/186
4,110,176	8/1978	Creutz, et al 204/52 R
4,113,492	9/1978	Sato et al 96/67
4,315,059	2/1982	Raistrick et al 429/112
4,326,940	4/1982	Eckles et al 204/232
4,336,114	6/1982	Mayer et al 204/52 R
4,376,685	3/1983	Watson 204/52 R
4,405,416	9/1983	Raistrick et al 204/68
4,428,815	1/1984	Powell et al 204/297 W
4,435,266	3/1984	Johnston 204/276
4,489,740	12/1984	Rattan et al 134/140
4,510,176	4/1985	Cuthbert et al 427/82
4,518,678	5/1985	Allen 430/311
4,519,846	5/1985	Aigo 134/15
4,693,805	9/1987	Quazi 204/192.22
4,732,785	3/1988	Brewer 427/240
4,789,445	12/1988	Goffman et al 204/114
5,039,381	8/1991	Mullarkey 204/47.5
5,055,425	10/1991	Leibovitz et al 437/195
5,092,975	3/1992	Yamamura et al 204/198
5,155,336	10/1992	Gronet et al 219/411
5,162,260	11/1992	Leibovitz et al 437/195
5,222,310	6/1993	Thompson et al 34/202
5,224,504	7/1993	Thompson et al 134/155
5,230,743	7/1993	Thompson et al 134/32
5,252,807	10/1993	Chizinsky 219/390
5,256,274	10/1993	Poris 205/123
5,259,407	11/1993	Tuchida et al 134/151
5,290,361	3/1994	Hayashida et al 134/2
5,316,974	5/1994	Crank
5,328,589	7/1994	Martin 205/296
5,349,978	9/1994	Sago et al 134/153

5,368,711		11/1994	Poris	204/193
5,377,708		1/1995	Bergman et al	134/105
5,429,733	*	7/1995	Ishida	204/224 R
.5,447,615	*	9/1995	Ishida	204/224 R
5,516,412		5/1996	Andricacos et al	. 204/224 R
5,608,943		3/1997	Konishi et al	15/302
5,625,170		4/1997	Poris	177/50
5,651,865		7/1997	Sellers	. 204/192.13
5,705,223		1/1998	Bunkofske	427/240
5,718,813		2/1998	Drummond et al	204/192.12
5,723,028		3/1998	Poris	204/231

OTHER PUBLICATIONS

PCT International Search Report dated Feb. 7, 2000.

Kenneth E. Pitney, "NEY Contact Manual," Electrical Con-

tacts for Low Energy Uses, 1973, no month available. Lucio Colombo, "Wafer Back Surface Film Removal," Central R&D, SGS-Thompson, Microelectronics, Agrate, Italy, 6 pages, no month/year available.

Semitool©, Inc., "Metallization & Interconnect," 1998, 4. pages, no month available.

Verteq Online©, "Products Overview," 1996-1998, 5 pages, no month available.

Laurell Technologies Corporation, "Two control configurations available-see WS 400 OR WS-400Lite." Oct. 19, 1998,

Peter Singer, "Tantalum, Copper and Damascene: The Future of Interconnects," Semiconductor International, Jun. 1998, Pages cover, 91-92,94,96 & 98.

Peter Singer, "Wafer Processing," Semiconductor International, Jun., 1998, p. 70.

^{*} cited by examiner

UNITED STATES PATENT AND TRADEMARK OFFICE **CERTIFICATE OF CORRECTION**

PATENT NO.

: 6,261,433 B1

DATED

: July 17, 2001

INVENTOR(S) : Landau

Page 1 of 1

It is certified that error appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

Column 5,

Line 38, please replace "electric" with -- dielectric --.

Column 9,

Line 24, please replace "comers" with -- corners --.

Line 64, please replace "predetermined" with -- pre-determined --.

Column 17,

Line 40, please replace "e.g." with -- e.g., --.

Column 18,

Line 26, please delete "Li".

Signed and Sealed this

Twenty-eighth Day of May, 2002

JAMES E. ROGAN Director of the United States Patent and Trademark Office

Attesting Officer